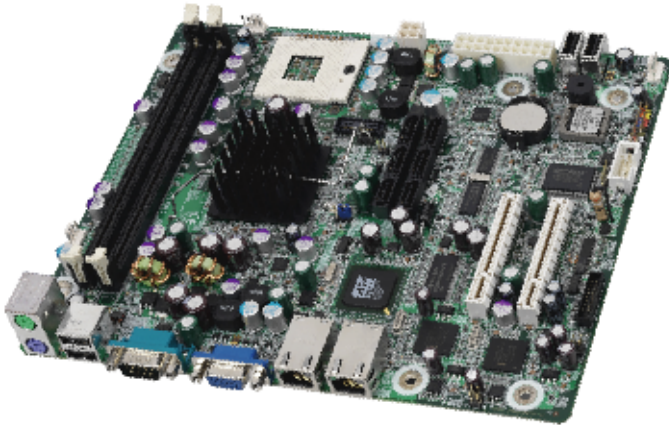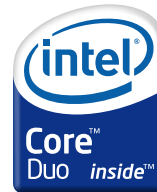# TYAN

Embedded Server Solution
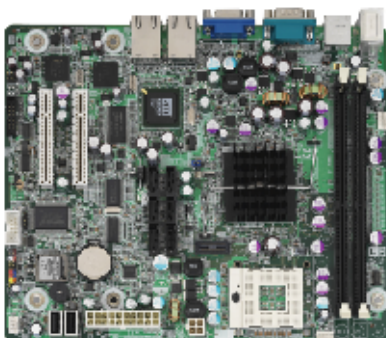
Toledo i3100

S5207

Intel® Core™ Duo / Celeron™ M / Intel® Core™ 2 Duo 533/667 MHz FSB in FlexATX Solution

- Supported processors
  - Intel® Core™ Duo processor (Yonah)
  - Intel® Celeron™ M processor (Yonah)
  - Intel® Core™ 2 Duo Processor (Merom)
- Supports 533/667 MHz FSB
- Two DDR-II 400 (Registered ECC) DIMM Sockets
- Expansion Capability
  - Two PCI-Express x8 slot with PCI-Express x4 links
- Two (2) Intel® 82573L GbE NICs
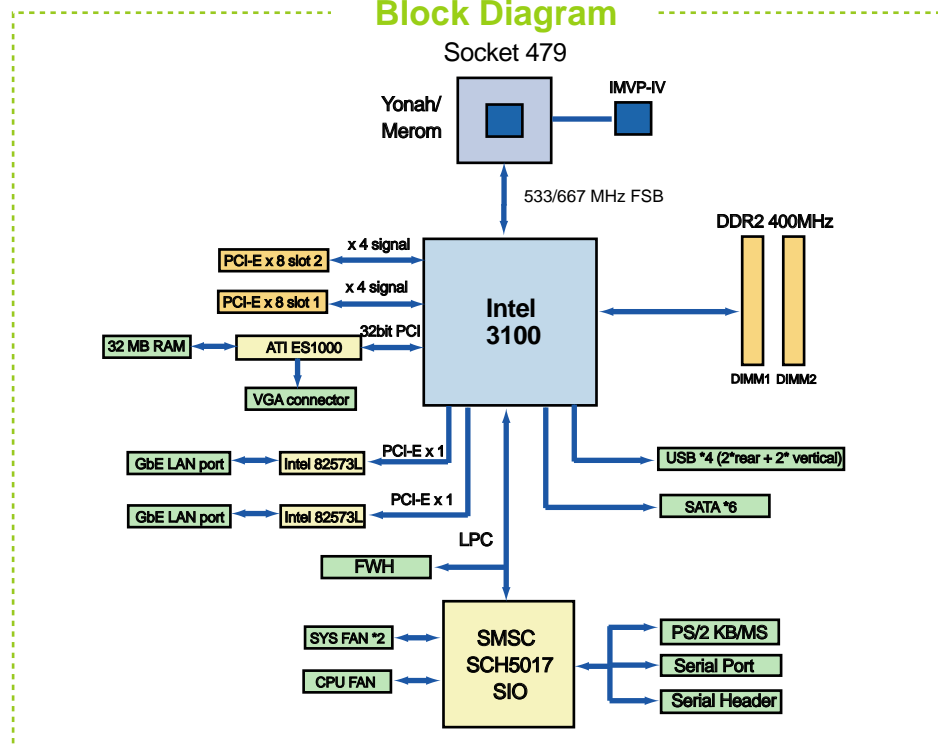- Six SATA Ports Running at 1.5Gb/Sec

Toledo i3100

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Block Diagram

Socket 479

▼ TOP View

<div style="text-align:center">S P E C I F I C A T I O N S</div>

Processors
One mPGA479 socket
Supports Intel® Core™ Duo and Intel®
Celeron™ M processor (Yonah); Intel®
Core™ 2 Duo Processor (Merom)
533 MHz/667 FSB support
Onboard IMVP-IV CPU voltage regulation

Chipset
Intel® 3100 chipset
Super I/O: SMSC SCH5017

Expansion Slots (from right to left)
Two PCI-Express x8 slots (x4 signals)

Memory
Two DDR2-400 DIMM sockets
Up to 4 GB of Registered-ECC DDR2
memory modules

Integrated Graphics
ATI® ES1000 VGA graphics controller
32 MB frame buffer memory

Integrated SATA (From Whitmore Lake)
Six integrated SATA ports up to 1.5 Gbit/s
Supports AHCI mode

Integrated LAN Controllers
Two Intel 82573L 10/100/1000 Gigabit LAN
Two side-by-side RJ45 with LEDs

Integrated I/O
One 9-pin UART serial port (header)
Two USB 2.0 (vertical)ports
One 18-pin TYFP header
Six integrated SATA ports up to 1.5 Gb/s

Back Panel I/O Ports
One 9-pin UART serial port
Two stacked USB 2.0 ports
One PS/2 Keyboard & Mouse port
One 15-pin VGA port
Two RJ45 10/100/1000 Base-T port w/
activity LED

BIOS
AMI BIOS with 8Mb flash ROM
Supports ACPI
Auto detection of memory size
Auto configuration of SATA hard disk types
Multiple boot options including PXE
Power Management: S1, S3, S4 and S5

Form Factor
Flex ATX (9" x 7.5")
ATX power connectors (One 20-pin and one
4-pin)

System Management
Integrated H/W monitoring functions in
Super I/O chip
One 4-pin CPU fan header with auto-fan
control

Two 4-pin system fan headers
Temperature and voltage monitoring
Watchdog timer

Regulation
FCC Class B (Declaration of Conformity)
European Community CE (Declaration of
Conformity)

TYAN COMPUTER CORP.